App.js

const path = require('path');

const express = require('express');

const ejs = require('ejs');

const bodyParser = require('body-parser');

const mysql = require('mysql');

const app = express();

const connection=mysql.createConnection({

    host:'localhost',

    user:'root',

    password:'Dhruvesh@903',

    database:'crudmysql'

});

connection.connect(function(error){

    if(!!error) console.log(error);

    else console.log('Database Connected!');

});

//set views file

app.set('views',path.join(\_\_dirname,'views'));

//set view engine

app.set('view engine', 'ejs');

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: false }));

app.get('/',(req, res) => {

    let sql = "SELECT \* FROM university";

    let query = connection.query(sql, (err, rows) => {

        if(err) throw err;

        res.render('user\_index', {

            title : 'CRUD Operation using ExpressJS MySQL',

            users : rows

        });

    });

});

app.get('/add',(req, res) => {

    res.render('user\_add', {

        title : 'CRUD Operation using ExpressJS MySQL'

    });

});

app.post('/save',(req, res) => {

    let data = {cid: req.body.cid, cname: req.body.cname, dname: req.body.dname, iname: req.body.iname, uname: req.body.uname};

    let sql = "INSERT INTO university SET ?";

    let query = connection.query(sql, data,(err, results) => {

      if(err) throw err;

      res.redirect('/');

    });

});

app.get('/edit/:userId',(req, res) => {

    const userId = req.params.userId;

    let sql = `Select \* from university where id = ${userId}`;

    let query = connection.query(sql,(err, result) => {

        if(err) throw err;

        res.render('user\_edit', {

            title : 'CRUD Operation using ExpressJS MySQL',

            user : result[0]

        });

    });

});

app.post('/update',(req, res) => {

    const userId = req.body.id;

    let sql = "update university SET cid='"+req.body.cid+"', cname='"+req.body.cname+"',  dname='"+req.body.dname+"', iname='"+req.body.iname+"', uname='"+req.body.uname+"' where id ="+userId;

    let query = connection.query(sql,(err, results) => {

      if(err) throw err;

      res.redirect('/');

    });

});

app.get('/delete/:userId',(req, res) => {

    const userId = req.params.userId;

    let sql = `DELETE from university where id = ${userId}`;

    let query = connection.query(sql,(err, result) => {

        if(err) throw err;

        res.redirect('/');

    });

});

// Server Listening

app.listen(3030, () => {

    console.log('Server is running at port 3030');

});

Index.ejs

<!DOCTYPE html>

<html lang="en">

<head>

  <title><%= title %></title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

  <h2><%= title %></h2>

  <a href="/add" class="btn btn-sm btn-primary">Add Course</a><br/><br/>

  <table class="table table-dark table-striped">

    <thead>

      <tr>

        <th>Course id</th>

        <th>Course name</th>

        <th>Department name</th>

        <th>Institute name</th>

        <th>University name</th>

      </tr>

    </thead>

    <tbody>

        <% users.forEach(function(university){ %>

            <tr>

                <td><%= university.cid %></td>

                <td><%= university.cname %></td>

                <td><%= university.dname %></td>

                <td><%= university.iname %></td>

                <td><%= university.uname %></td>

                <td>

                    <a href="edit/<%= university.id %>" class="btn btn-sm btn-primary">Edit</a>

                    <a href="delete/<%= university.id %>" class="btn btn-sm btn-danger">Delete</a>

                </td>

            </tr>

        <% }); %>

    </tbody>

  </table>

</div>

</body>

</html>

Add.ejs

<!DOCTYPE html>

<html lang="en">

<head>

  <title><%= title %></title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

  <h2><%= title %></h2>

  <form action="/save" method="post">

    <div class="form-group">

      <label for="cid">Course id:</label>

      <input type="text" class="form-control" id="cid" placeholder="Enter Course id" name="cid" required>

    </div>

    <div class="form-group">

      <label for="cname">Course name:</label>

      <input type="text" class="form-control" id="cname" placeholder="Enter Course name" name="cname" required>

    </div>

    <div class="form-group">

      <label for="dname">department name:</label>

      <input type="text" class="form-control" id="dname" placeholder="Enter department name" name="dname" required>

    </div>

    <div class="form-group">

      <label for="iname">Institute name:</label>

      <input type="text" class="form-control" id="iname" placeholder="Enter Institute name" name="iname" required>

    </div>

    <div class="form-group">

      <label for="uname">University name:</label>

      <input type="text" class="form-control" id="uname" placeholder="Enter University name" name="uname" required>

    </div>

    <button type="submit" class="btn btn-primary">Submit</button>

  </form>

</div>

</body>

</html>

Edit.ejs

<!DOCTYPE html>

<html lang="en">

<head>

  <title><%= title %></title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

  <h2><%= title %></h2>

  <form action="/update" method="post">

    <input type="hidden" value="<%= user.id %>" name="id">

    <div class="form-group">

      <label for="cid">Course ID</label>

      <input type="text" class="form-control" id="cid" placeholder="Enter Course ID" value="<%= user.cid %>" name="cid" required>

    </div>

    <div class="form-group">

      <label for="cname">Course name:</label>

      <input type="text" class="form-control" id="cname" placeholder="Enter Course id" value="<%= user.cname %>" name="cname" required>

    </div>

    <div class="form-group">

      <label for="dname">department name:</label>

      <input type="text" class="form-control" id="dname" placeholder="Enter Course name" value="<%= user.dname %>" name="dname" required>

    </div>

    <div class="form-group">

      <label for="iname">Institute name:</label>

      <input type="text" class="form-control" id="iname" placeholder="Enter department name" value="<%= user.iname %>" name="iname" required>

    </div>

    <div class="form-group">

      <label for="uname">University name:</label>

      <input type="text" class="form-control" id="uname" placeholder="Enter University name" value="<%= user.uname %>" name="uname" required>

    </div>

    <button type="submit" class="btn btn-primary">Submit</button>

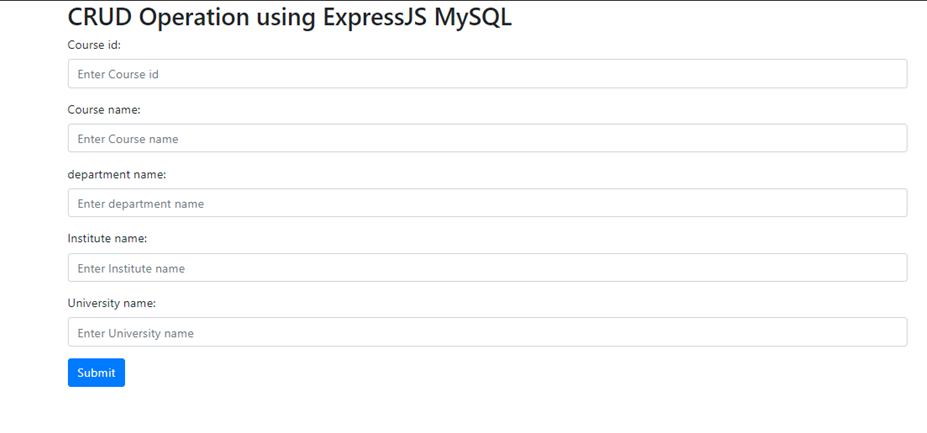
  </form>

</div>

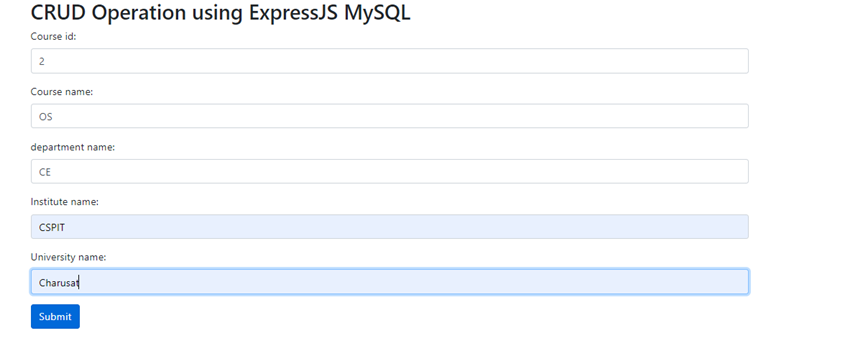
</body>

</html>

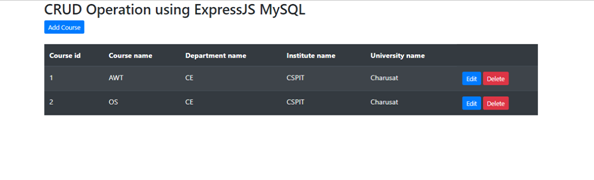
**Output:**

****

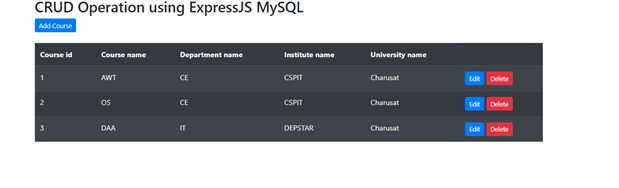
**Insert:**

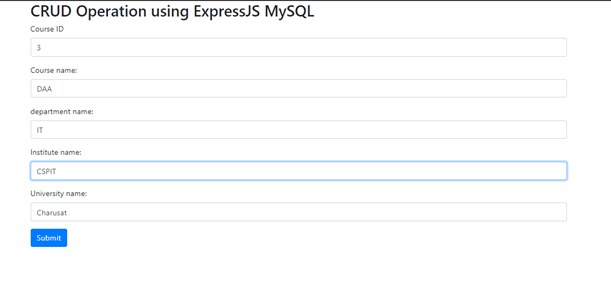


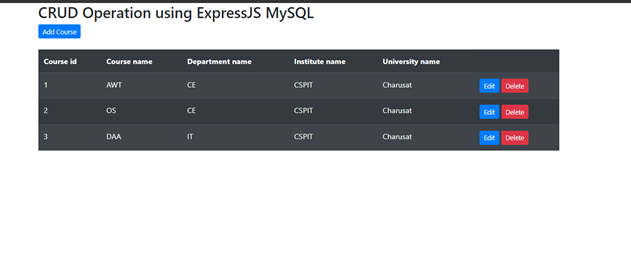
**DISPLAY:**



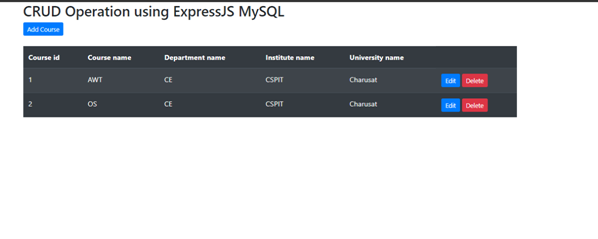
**Edit:**



****

****

**Delete:**

****